

GILA RIVER BASIN

09483030 ANKLAM WASH AT TUCSON, AZ

LOCATION.--Lat 32°13'30", long 111°01'50", SE¹/₄ sec.8, T.14 S., R.13 E., Pima County, Hydrologic Unit 15050301, at Anklam Road, 1 mi west of Tucson city limits, and 2 mi west of St. Mary's Hospital.

DRAINAGE AREA.--2.11 mi².

Annual peak discharges

| Water year | Date | Annual peak discharge (ft ³ /s) | Discharge codes | Water year | Date | Annual peak discharge (ft ³ /s) | Discharge codes |
|------------|----------|--|-----------------|------------|----------|--|-----------------|
| 1965 | 07-10-65 | 1,600 | | 1974 | 00-00-74 | 0 | |
| 1966 | 12-10-65 | 30 | ES | 1975 | 10-30-74 | 160 | |
| 1967 | 00-00-67 | 2.0 | ES | 1976 | 09-25-76 | 75 | |
| 1968 | 10-03-67 | 50 | ES | 1977 | 01-01-77 | 5.0 | ES |
| 1969 | 08-00-69 | 98 | | 1978 | 07-30-78 | 38 | |
| 1970 | 07-19-70 | 2,000 | | 1979 | 01-18-79 | 5.0 | |
| 1971 | 08-17-71 | 2,420 | | 1980 | 08-14-80 | 35 | |
| 1972 | 09-07-72 | 75 | | 1981 | 08-13-81 | 76 | |
| 1973 | 07-15-73 | 140 | ES | | | | |

Magnitude and probability of instantaneous peak flow based on period of record 1965-81

| Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent | | | | | |
|---|-----------|------------|-----------|-----------|------------|
| 2† 50% | 5† 20% | 10† 10% | 25† 4% | 50† 2% | 100† 1% |
| 75.6 | 362 | 855 | 2,210 | 4,140 | 7,390 |
| Weighted skew | (logs) = | 0.24 | | | |
| Mean | (logs) = | 1.91 | | | |
| Standard dev. | (logs) = | 0.78 | | | |

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

| Main channel slope (ft/mi) | Stream length (mi) | Mean basin elevation (ft) | Forested area (percent) | Soil index | Mean annual precipitation (in) | Rainfall intensity, 24-hour | |
|----------------------------|--------------------|---------------------------|-------------------------|------------|--------------------------------|-----------------------------|--------------|
| | | | | | | 2-year (in) | 50-year (in) |
| 298 | 2.1 | 2,700 | 0.0 | 1.0 | 11.8 | 1.9 | 4.4 |

GILA RIVER BASIN

09483030 ANKLAM WASH AT TUCSON, AZ--Continued

